

# Contents

## Volume 24, Number 1, January 1994

### Editorials:

- 1 D. W. HIDE  
Food allergy in children
- 3 D. W. HIDE & C. GANT  
Hypoallergenic formulae—have they a therapeutic role?
- 6 R. DJUKANOVIĆ.  
Asthma 'Of Mice and Men'—How do animal models help us understand human asthma?

### Original articles:

- 10 A. M. DVORAK, P. ESTRELLA & T. ISHIZAKA  
Vesicular transport of peroxidase in human eosinophilic myelocytes
- 19 S. KIVITY, K. DUNNER & Y. MARIAN  
The pattern of food hypersensitivity in patients with onset after 10 years of age
- 23 A. RANTIO-LEHTIMÄKI, M. VIANDER & A. KOIVIKKO  
Airborne birch pollen antigens in different particle sizes
- 29 P. MAESTRELLI, P. G. CALCAGNI, M. SAETTA, A. DI STEFANO, J.-J. HOSSELET, A. SANTONASTASO, L. M. FABBRI & C. E. MAPP  
Sputum eosinophilia after asthmatic responses induced by isocyanates in sensitized subjects
- 35 A.-M. KOCHUYT & E. A. M. STEVENS  
Safety and efficacy of a 12-week maintenance interval in patients treated with Hymenoptera venom immunotherapy
- 42 L. BUSCINO, P. LUCENTI, G. ARCESES, G. ZIRUOLO & A. CANTANI  
Immunogenicity of a so-called hypoallergenic formula in at-risk babies: two case reports
- 46 B. MOSIMAN, V. AUBERT, J. G. FREY, PH. LEUENBERGER & A. PÉCOUD  
Bronchial provocation with cat allergen: correlation between the individual IgE-CRIE pattern and the occurrence of a late allergic reaction
- 53 A. L. GIOVANE, M. BARDARE, G. PASSALACQUA, S. RUFFONI, A. SCORDAMAGLIA, E. GHEZZI & G. W. CANONICA  
A three-year double-blind placebo-controlled study with specific oral immunotherapy to *Dermatophagoides*: evidence of safety and efficacy in paediatric patients

- 60 R. LOUIS, T. BURY, J.-L. CORHAY & M. RADERMECKER  
Effects of acute injection of methylprednisolone in man on immunological and non-immunological histamine release from leucocytes and its potentiation by interleukin-3
- 66 A. TEDESCHI, M. ARQUATI, M. PALELLA, N. MILAZZO & A. MIADONNA  
Ionic regulation of human basophil releasability. II. Non-releasing basophils are converted into releasing basophils in a low- $\text{Na}^+$  medium
- 73 G. G. BRUSSELLE, J. C. KIPS, J. H. TAVERNIER, J. G. VAN DER HEYDEN, C. A. CUVELIER, R. A. PAUWELS & H. BLUETHMAN  
Attenuation of allergic airway inflammation in IL-4 deficient mice

### News and commentary

- 81 G. M. WALSH  
The anti-inflammatory effects of cetirizine
- 86 Book reviews
- 87 Forthcoming meetings
- 88 Forthcoming articles
- 89 Acknowledgements

## Volume 24, Number 2, February 1994

### Editorials:

- 91 G. F. JOOS, J. C. KIPS & R. A. PAUWELS  
A role for neutral endopeptidase in asthma?
- 94 M. J. COLLOFF  
Dust mite control and mechanical ventilation: when the climate is right
- 97 P. J. HELMS  
Wheezing infants

### Review:

- 100 V. LIEBERS & X. BAUR  
Chironomidae haemoglobin *Chi t I*—characterization of an important inhalant allergen

### Original articles:

- 109 M. WICKMAN, G. EMENIUS, A.-C. EGMAR, G. AXELSSON & G. PERSHAGEN  
Reduced mite allergen levels in dwellings with mechanical exhaust and supply ventilation

- 115 N. CRIMI, F. PALERMO, R. OLIVERI, R. POLOSA, S. MAGRÌ & A. MISTRETTA  
Inhibition of neutral endopeptidase potentiates bronchoconstriction induced by neurokinin A in asthmatic patients
- 121 I. M. BALFOUR-LYNN, H. B. VALMAN, R. WELLINGS, A. D. B. WEBSTER, G. W. TAYLOR & M. SILVERMAN  
Tumour necrosis factor- $\alpha$  and leukotriene E<sub>4</sub> production in wheezy infants
- 127 K. TADOKORO, N. NIIMI, T. OHTOSHI, K. NAKAJIMA, S. TAKAFUJI, K. ONODERA, S. SUZUKI & M. MURANAKA  
Cefotiam-induced IgE-mediated occupational contact anaphylaxis of nurses, case reports, RAST analysis, and a review of a literature
- 134 M. CASANOVAS, F. MARANˆÓN & I. BEL  
Comparison of skin-prick test assay and reverse enzyme immunoassay competition (REINA-C) for biological activity of allergens
- 140 S. MYOU, M. FUJIMURA, T. BANDO, M. SAITO & T. MATSUDA  
Aerosolized acetaldehyde, but not ethanol, induces histamine-mediated bronchoconstriction in guinea-pigs
- 144 I. PAVORD, I. HALL, I. WAHEDNA, S. COOPER & A. TATTERSFIELD  
Effect of 443c81, an inhaled  $\mu$ -opioid receptor agonist in asthma
- 149 B. ZIMMERMAN, I. ENANDER, R. ZIMMERMAN & S. AHLSTEDT  
Asthma in children less than 5 years of age: eosinophils and serum levels of the eosinophil proteins ECP and EPX in relation to atopy and symptoms  
Clinical practice forum
- 156 L. DOW  
The diagnosis of asthma in older people  
News and commentary
- 160 M. N. G. DUKES, S. T. HOLGATE & R. A. PAUWELS  
Report of an international workshop on risk and safety of asthma therapy
- 166 Abstracts of the Annual Meeting of the British Society for Allergy and Clinical Immunology, Nottingham, UK, August 1993
- 198 Book reviews
- 200 Forthcoming meetings
- 201 Forthcoming articles

# Volume 24, Number 3, March 1994

## Editorials:

- 203 J. SHUTE  
Interleukin-8 is a potent eosinophil chemo-attractant
- 207 J. A. WARNER  
Creating optimal home conditions for the house dust mite

## Review:

- 210 G. D'AMATO & G. LICCARDI  
Pollen-related allergy in the European Mediterranean area

## Original articles:

- 220 W. A. SMITH, K.-Y. CHUA, M. C. KUO, B. L. ROGERS & W. R. THOMAS  
Cloning and sequencing of the *Dermatophagoides pteronyssinus* group III allergen, *Der p III*
- 229 J. KUEHR, T. FRISCHER, W. KARMAUS, R. MEINERT, R. BARTH, S. SCHRAUB, A. DASCHNER, R. URBANEK & J. FORSTER  
Natural variation in mite antigen density in house dust and relationship to residential factors
- 238 S. KAWAGUCHI, Y. MAJIMA & Y. SAKAKURA  
Nasal mast cells in experimentally induced allergic rhinitis in guinea-pigs
- 245 O. P. TWENTYMAN & S. T. HOLGATE  
Reversibility of the allergen-provoked late asthmatic response by an inhaled  $\beta_2$ -adrenoceptor agonist
- 250 A. PETERSON, W.-M. BECKER & M. SCHLAACK  
Epitope analysis of isoforms of the major allergen *Phl p V* by fingerprinting and microsequencing
- 257 O. KORTEGANGAS-SAVOLAINEN & R. EINARSSON  
Thermal and storage stability of *Saccharomyces cerevisiae* (baker's yeast) allergens
- 263 L. ZHANG, I. CURRAN, G. MURADIA, H. RODE & H. M. VIJAY  
Two-dimensional immunoblot analysis of allergens of *Cladosporium herbarum*
- 270 F. SHAKIB & S. J. SMITH  
*In vitro* basophil histamine-releasing activity of circulating IgG1 and IgG4 auto-anti-IgE antibodies from asthma patients and the demonstration that anti-IgE modulates allergen-induced basophil activation
- 276 S. J. CLARK, J. O. WARNER & T. P. DEAN  
Passive smoking amongst asthmatic children. Questionnaire or objective assessment?
- 281 C. MIRONE, A. FONTANA, S. MOSCA, M. BOSETTI, A. SALA, J. SCIBILIA & C. ORTOLANI  
Effects of nedocromil sodium on bronchospasm and HS-NCA release induced by allergen inhalation in asthmatic patients
- 288 M. WAGENMANN, F. M. BAROODY, R. JANKOWSKI, J. C. NADAL, M. ROECKER-COOPER, C. C. WOOD & R. M. NACLERIO  
Onset and duration of inhibition of ipratropium bromide nasal spray on methacholine-induced nasal secretions
- 291 M. S. KAPLAN  
The importance of appropriate challenges in diagnosing food sensitivity
- 294 Correspondence
- 295 Forthcoming meetings
- 296 Forthcoming articles

## Volume 24, Number 4, April 1994

**Editorial:**

- 297 N.-S. ZHONG  
Atopic diseases in the Chinese Community

**Review:**

- 299 M. KUROSAWA  
Anti-allergic drug use in Japan—the rationale and the clinical outcome

**Original articles:**

- 307 A. XAUBET, J. MULLOL, E. LÓPEZ, J. ROCA-FERRER, M. ROZMAN, T. CARRIÓN, J. M. FABRA & C. PICADO  
Comparison of the role of nasal polyp and normal nasal mucosal epithelial cells on *in vitro* eosinophil survival. Mediation by GM-CSF and inhibition by dexamethasone
- 318 M. NERMES, J. SAVOLAINEN, K. KALIMO, K. LAMMINTAUSTA & M. VIANDER  
Determination of IgE antibodies to *Candida albicans* mannan with nitrocellulose-RAST in patients with atopic diseases
- 324 M. SUGIMOTO, S. SUGIYAMA, N. YANAGITA & T. OZAWA  
Laser high performance liquid chromatography determination of prostaglandins in nasal lavage fluid in allergic rhinitis
- 330 J. NAKANO, H. TAKIZAWA, T. OHTOSHI, S. SHOJI, M. YAMAGUCHI, A. ISHII, M. YANAGISAWA & K. ITO  
Endotoxin and pro-inflammatory cytokines stimulate endothelin-1 expression and release by airway epithelial cells
- 337 Y. Y. KOH, H. S. LIM, K. U. MIN & Y. G. MIN  
Airways of allergic rhinitis are 'primed' to repeated allergen inhalation challenge
- 347 C. EBNER, H. FELDNER, H. EBNER & D. KRAFT  
Sensitization to storage mites in house dust mite (*Dermatophagoides pteronyssinus*) allergic patients. Comparison of a rural and an urban population
- 353 R. LEUNG & M. JENKINS  
Asthma, allergy and atopy in southern Chinese school students
- 359 O. FUKUTOMI, N. KONDO, H. AGATA, S. SHINODA, N. KUWABARA, M. SHINBARA, R. INOUE & T. ORII  
Identification of monocyte chemotactic factors in supernatants of ovalbumin-stimulated lymphocytes from patients with atopic dermatitis who are sensitive to hen's egg
- 367 A. J. BIRCHER, G. VAN MELLE, E. HALLER, B. CURTY & P. C. FREI  
IgE to food allergens is highly prevalent in patients allergic to pollens, with and without symptoms of food allergy

- 375 S. LÖTH & M. BENDE  
Effect of nasal anaesthesia on lacrimal function after nasal allergen challenge
- 377 L. G. SENSI, G. L. PIANCENTINI, E. NOBILE, M. GHEBREGZABHER, R. BRUNORI, L. ZANOLLA, A. L. BONER & F. MARCUCCI  
Changes in nasal specific IgE to mites after periods of allergen exposure-avoidance: a comparison with serum levels
- 383 H.-S. PARK, K.-S. JUNG, S. O. KIM & S. J. KIM  
Hypersensitivity pneumonitis induced by *Pencillium expansum* in a home environment
- 386 M. SHIBASAKI, S. ISOYAMA, R. SUMAZAKI & H. TAKITA  
Crossreactivity of IgE antibody against *Dermatophagoides farinae* with *Limulus polyphemus* agglutinin
- 394 Book reviews
- 396 Forthcoming meetings
- 397 Forthcoming articles

## Volume 24, Number 5, May 1994

**Editorials:**

- 399 M. L. BURR  
Predicting atopic eczema
- 401 W. M. HOWELL  
HLA immunogenetics and specific IgE responses to allergens
- 405 D. GOMPERTZ  
Measurement of airborne protein allergens in occupational asthma

**Reviews:**

- 407 M. BLANCA, J. M. VEGA, J. GARCIA, A. MIRANDA, M. J. CARMONA, C. JUAREZ, S. TERRADOS & J. FERNANDEZ  
New aspects of allergic reactions to betalactams: crossreactions and unique specifications
- 416 A. J. FREW  
Conventional and alternative allergen immunotherapy: do they work? are they safe?

**Original articles:**

- 423 J. A. WARNER, E. A. MILES, A. C. JONES, D. J. QUINT, B. M. COLWELL & J. O. WARNER  
Is deficiency of interferon gamma production by allergen triggered cord blood cells a predictor of atopic eczema?
- 431 R. P. YOUNG, J. W. DEKKER, B. P. WORDSWORTH, C. SCHOU, K. D. PILE, F. MATTHIESEN, W. M. C. ROSENBERG, J. I. BELL, J. M. HOPKIN & W. O. C. M. COOKSON  
HLA-DR and HLA-DP genotypes and immunoglobulin E responses to common major allergens
- 440 J. NIELSEN, H. WELINDER, H. OTTOSSON, I. BENSRYD, P. VENGE & S. SKERFVING  
Nasal challenge shows pathogenetic relevance of specific IgE serum antibodies for nasal symptoms caused by hexahydrophthalic anhydride

- 450 C. P. SANDIFORD, M. J. NIEUWENHUIJSEN, R. D. TEE & A. J. NEWMAN TAYLOR  
Measurements of airborne proteins involved in Baker's asthma
- 457 P. G. BARDIN, D. FRAENKEL, G. SANDERSON, M. DORWARD, L. C. K. LAU, S. L. JOHNSTON & S. T. HOLGATE  
Amplified rhinovirus colds in atopic subjects
- 465 X. BAUR, Z. CHEN & I. SANDER  
Isolation and denomination of an important allergen in baking additives:  $\alpha$ -amylase from *Aspergillus oryzae* (*Asp o II*)
- 471 D. A. MONERET-VAUTRIN, L. FELDMANN, G. KANNY, A. BAUMANN, J. ROLAND & P. PERE  
Incidence and risk factors for latent sensitization to chymopapain: predictive skin-prick tests in 700 candidates for chemonucleolysis
- 477 J. DELGADO, E. GOMEZ, J. L. PALMA, J. GONZALES, F. J. MONTESEIRIN, A. MARTINEZ, J. MARTINEZ & J. CONDE  
Occupational rhinoconjunctivitis and asthma caused by *Tetranychus urticae* (red spider mite). A case report
- 481 E. VARJONEN, J. SAVOLAINEN, L. MATTILA & K. KALIMO  
IgE-binding components of wheat, rye, barley and oats recognized by immunoblotting analysis with sera from adult atopic dermatitis patients

**Special article:**

- 490 A. L. DE WECK  
Farewell address. 40 years allerge-immunology: from the nipple unto milk
- 497 Correspondence
- 499 Book review
- 500 Forthcoming meetings
- 501 Forthcoming articles

**Volume 24, Number 6, June 1994****Editorials:**

- 503 N. SHERON  
Alcoholic liver damage—toxicity, autoimmunity and allergy
- 508 T. VILLAR & S. T. HOLGATE  
IgE, smoking and lung function
- 511 J. O. SCHMIDT  
Let's not forget crawling Hymenoptera

**Reviews:**

- 515 H.-J. MALLING  
Immunotherapy in Europe
- 522 N. M. WILSON  
The significance of early wheezing

**Original articles:**

- 530 E. OMENAAS, P. BAAKE, S. ELSAYED, R. HANOA & A. GULSVIK  
Total and specific serum IgE levels in adults: relationship to sex, age and environmental factors
- 540 C. VIDAL, A. G. QUINTELA, I. MILLÁN, F. GUDE & V. CUERVAS-MONS  
Serum IgE levels in liver cirrhosis. Contrasting results in alcoholic and non-alcoholic patients
- 549 C. P. SANDIFORD, R. D. TEE & A. J. NEWMAN TAYLOR  
The role of cereal and fungal amylases in cereal flour hypersensitivity
- 558 N. H. PHAM, B. A. BALDO & D. J. BASS  
Cypress pollen allergy. Identification of allergens and crossreactivity between divergent species
- 566 G. D'AMATO, M. GENTILI, M. RUSSO, G. MISTRELLO, M. SAGGESE, G. LICCARDI & P. FALAGIANI  
Detection of *Parietaria judaica* airborne allergenic activity: comparison between immunochemical and morphological methods including clinical evaluation
- 575 H. S. PARK, M. J. KIM & H.-B. MOON  
Occupational asthma caused by two herb materials *Dioscorea batatas* and *Pinellia ternata*
- 582 H. ARAKAWA, J. LÖTVALL, A. LINDÉN, I. KAWIKOVA, C.-G. LÖFDAHL & B.-E. SKOOGH  
Role of eicosanoids in airflow obstruction and airway plasma exudation induced by trimellitic anhydride-conjugate in guinea-pigs 3 and 8 weeks after sensitization
- 590 M. D. STREET, G. R. DONOVAN, B. A. BALDO & S. SUTHERLAND  
Immediate allergic reactions to *Myrmecia* ant stings: immunochemical analysis of *Myrmecia* venoms
- 598 Book reviews
- 600 Forthcoming meetings
- 601 Forthcoming articles

**Volume 24, Number 7, July 1994****Editorial:**

- 603 D. P. STRACHAN  
Is allergic disease programmed in early life?

**Reviews:**

- 606 L. BERRENS  
What is a 'major' allergen?
- 610 S. DREBORG, J. BOUSQUET, H. LOWENSTEIN & A. J. FREW  
Response to "What is a 'major' allergen?" by L. Berrens
- 612 A. M. EDWARDS  
Sodium cromoglycate (Intal<sup>®</sup>) as an anti-inflammatory agent for the treatment of chronic asthma

- 624 M. HIDE, D. M. FRANCIS, C. E. H. GRATTAN, R. K. WINKELMANN & M. W. GREAVES  
The pathogenesis of chronic idiopathic urticaria: new evidence suggests an autoimmune basis and implications for treatment
- 628 L. M. FABBRI, P. MAESTRELLI, M. SAETTA & C. M. MAPP  
Mechanisms of occupational asthma
- 636 R. D. TEE  
Allergy to storage mites

#### Original articles:

- 641 K. M. GODFREY, D. J. P. BARKER & C. OSMOND  
Disproportionate fetal growth and raised IgE concentration in adult life
- 649 A. M. DVORAK, H. MITSUI & T. ISHIZAKA  
Stimulation of partial development of human mast cells by supernatant fluid from mouse fibroblast cultures
- 660 R. BEASLEY, C. BURGESS, N. PEARCE, K. WOODMAN & J. CRANE  
Confounding by severity does not explain the association between fenoterol and asthma death
- 669 M. KUROSAWA, S. YODONAWA, H. INAMURA & H. TSUKAGOSHI  
Inhibition by thromboxane antagonists of airway hyperresponsiveness to histamine induced by 13,14-dihydro-15-keto-PGF<sub>2α</sub> in guinea-pigs
- 676 H. S. PARK, H. J. YU & K.-S. JUNG  
Occupational asthma caused by chromium
- 682 H. O. HEUER, B. WENZ, H. M. JENNEWIN & K. URICH  
Dissociation of airway responsiveness and bronchoalveolar lavage (BAL) cell composition in sensitized guinea-pigs after daily inhalation of ovalbumin
- 690 Correspondence
- 692 Book review
- 693 Forthcoming meetings
- 693 Forthcoming articles
- 730 C. E. MAPP, M. PLEBANI, D. FAGGIAN, P. MAESTRELLI, M. SAETTA, P. CALCAGNI, F. BORGHESAN & L. M. FABBRI  
Eosinophil cationic protein (ECP), histamine and tryptase in peripheral blood before and during inhalation challenge with toluene diisocyanate (TDI) in sensitized subjects
- 737 R. M. O'BRIEN & W. R. THOMAS  
Immune reactivity to *Der p* I and *Der p* II in house dust mite sensitive patients attending paediatric and adult allergy clinics
- 743 E. JOHANSSON, S. G. O. JOHANSSON & M. VAN HAGE-HAMSTEN  
Allergenic characterization of *Acarus siro* and *Tyrophagus putrescentiae* and their crossreactivity with *Lepidoglyphus destructor* and *Dermatophagoides pteronyssinus*
- 752 B. FAHLBUSCH, G. SCHLENVOIGT, W.-D. MÜLLER, B. WEBER & L. JÄGER  
A two-site monoclonal antibody ELISA for the quantification of group V allergens in grass extracts
- 758 G. BALL, M. J. SHELTON, B. J. WALSH, D. J. HILL, C. S. HOSKING & M. E. H. HOWDEN  
A major continuous allergenic epitope of bovine  $\beta$ -lactoglobulin recognized by human IgE binding
- 765 M. LOMBADERO, J. A. BARBAS, J. MOSCOSO DEL PRADO & J. CARREIRA  
cDNA sequence analysis of the main olive allergen, *Ole e* I
- 771 C. C. VASSELLA, H. ODELRAM, N.-I. KJELLMAN, M. P. BORRES, T. VANTO & B. BJÖRKSTÉN  
High anti-IgE levels at birth are associated with a reduced allergy prevalence in infants at risk: a prospective study
- 778 T. POPOV, R. GOTTSCHALK, R. KOLENDOWICZ, J. DOLOVICH, P. POWERS & F. E. HARGREAVES  
The evaluation of a cell dispersion method of sputum examination
- 784 R. M. ANGUS, M. J. A. McCALLUM & N. C. THOMSON  
Effect of inhaled atrial natriuretic peptide on methacholine induced bronchoconstriction in asthma
- 789 Abstracts of Symposium on Specific Allergy '94. 1-3 September 1994 at Elsinore, Denmark
- 795 Forthcoming meetings
- 795 Forthcoming articles

### Volume 24, Number 8, August 1994

#### Editorial:

- 695 T. T. HANSEL  
The cardinal importance of sputum microscopy

#### Reviews:

- 698 D. A. KNIGHT, G. A. STEWART & P. J. THOMPSON  
The respiratory epithelium and airway smooth muscle homeostasis: its relevance to asthma
- 707 F. E. R. SIMONS  
The therapeutic index of newer H<sub>1</sub>-receptor antagonists

#### Original articles:

- 724 J. N. BARANIUK, P. B. SILVER, M. A. KALINER & P. J. BARNES  
Effects of ipratropium bromide on bradykinin nasal provocation in chronic allergic rhinitis

### Volume 24, Number 9, September 1994

#### Editorial:

- 797 J. K. PEAT  
The rising trend in allergic illness: which environmental factors are important?

#### Reviews:

- 801 M. RICCI  
IL-4: a key cytokine in atopy

- 813 A. D. WATKINS  
The role of alternative therapies in the treatment of allergic disease

*Original articles:*

- 826 L. BRÅBÄCK, A. BREBOROWICZ, S. DREBORG, A. KNUTSSON, H. PIEKLIK & B. BJÖRKSTÉN  
Atopic sensitization and respiratory symptoms among Polish and Swedish school children
- 836 O. KORTEKANGAS-SAVOLAINEN, J. SAVOLAINEN, R. LANTTO & K. KALIMO  
Immediate hypersensitivity to bakery, brewery and wine products in yeast-sensitive atopic dermatitis patients
- 843 R. T. VAN STRIEN, A. P. VERHOEFF, B. BRUNEKREEF & J. H. VAN WIJNEN  
Mite antigen in house dust: relationship with different housing characteristics in the Netherlands
- 854 S. DOI, V. GEMOU-ENGESAETH, A. B. KAY & C. J. CORRIGAN  
Polymerase chain reaction quantification of cytokine messenger RNA expression in peripheral blood mononuclear cells of patients with acute exacerbations of asthma: effect of glucocorticoid therapy
- 868 H. M. BRERETON, R. E. RUFFIN, P. J. THOMPSON & D. R. TURNER  
Familial atopy in Australian pedigrees: adventitious linkage to chromosome 8 is not confirmed nor is there evidence of linkage to the high affinity IgE receptor
- 878 K. A. BYRON, R. M. O'BRIEN, G. A. VARIGOS & A. M. WOOTTON  
*Dermatophagoides pteronyssinus* II-induced interleukin-4 and interferon- $\gamma$  expression by freshly isolated lymphocytes of atopic individuals
- 884 C. MÖLLER, I.-M. BERG, T. BERG, M. KJELLMAN & L. STRÖMBERG  
Nedocromil sodium 2% eye drops for twice-daily treatment of seasonal allergic conjunctivitis: a Swedish multicentre placebo-controlled study in children allergic to birch pollen

*Clinical practice forum:*

- 888 N. S. JONES  
The place of surgery in the management of rhinosinusitis
- 893 Correction
- 894 Forthcoming meetings
- 894 Forthcoming articles

**Volume 24, Number 10, October 1994**

*Editorial:*

- 897 K. RAJAKULASINGAM  
Neural control of rhinitis

*Reviews:*

- 899 L. ZHANG, A. E. REDINGTON & S. T. HOLGATE  
RANTES: a novel mediator of allergic inflammation?
- 905 F. P. NIJKAMP & G. FOLKERTS  
Nitric oxide and bronchial reactivity

- 915 J. BIRNBAUM, F. PORRI, M. PRADAL, D. CHARPIN & D. VERVLOET  
Allergy during anaesthesia

*Original articles:*

- 922 G. BRAUNSTEIN, A. BUVRY, J. LACRONIQUE, N. DESJARDINS & N. FROSSARD  
Do nasal mast cells release histamine on stimulation with substance P in allergic rhinitis?
- 930 S. RAK, M. R. JACOBSON, R. M. SUDDERICK, K. MASUYAMA, S. JULIUSSEN, A. B. KAY, Q. HAMID, O. LÖWHAGEN & S. R. DURHAM  
Influence of prolonged treatment with topical corticosteroid (fluticasone propionate) on early and late phase nasal responses and cellular infiltration in the nasal mucosa after allergen challenge
- 940 M. J. IREDALE, S. A. R. WANKLYN, I. P. PHILLIPS, T. KRAUSZ & P. W. IND  
Non-invasive assessment of bronchial inflammation in asthma: no correlation between eosinophilia of induced sputum and bronchial responsiveness to inhaled hypertonic saline
- 946 B. NIGGEMANN, I. KLEINAU, C. SCHOU, G. N. HANSEN & U. WAHN  
Discrepancies between *in vitro* and *in vivo* tests for house dust mite allergy: is domestic exposure a better predictor than sensitization?
- 949 F. J. LIN, S. M. KENNEDY & M. CHAN-YEUNG  
Effect of grain exposure and smoking on the longitudinal changes in immediate skin reactivity
- 955 S. A. HAMILTON, J. DUDDLE, M. J. HERDMAN, C. J. TRIGG & R. J. DAVIES  
Comparison of a new antihistaminic and antiallergic compound KW 4679 with terfenadine and placebo on skin and nasal provocation in atopic individuals
- 960 M. KUROSAWA, S. YODONAWA, H. TSUKAGOSHI & Y. MIYACHI  
Inhibition by a novel peptide leukotriene receptor antagonist ONO-1078 of airway wall thickening and airway hyperresponsiveness to histamine induced by leukotriene C<sub>4</sub> or leukotriene D<sub>4</sub> in guinea-pigs
- 969 M. O. HOEKSTRA, C. BERENDS, B. DIJKHUIZEN, J. GERRITSEN & H. F. KAUFMAN  
Dextran sedimentation induces a difference in the percentage of hypodense eosinophils in peripheral blood between children with allergic asthma and healthy controls
- 976 Abstracts of the Annual Meeting of the British Society for Allergy and Clinical Immunology, City University, London, September 1994
- 999 Forthcoming meetings
- 1000 Forthcoming articles

**Volume 24, Number 11, November 1994**

*Editorial:*

- 1001 D. M. KEMENY & S. J. LANE  
Glucocorticoids and IgE: an *in vitro* paradox

**Reviews:**

- 1005 D. DHAMI & J. K. SHUTE  
Mechanisms of epithelial damage: are there parallels between bullous skin diseases and asthma?
- 1010 D. CHARPIN, J. BIRNBAUM & D. VERVLOET  
Epidemiology of hymenoptera allergy
- 1016 F. LEVI-SCHAFFER & E. RUBINCHIK  
Mast cell/fibroblast interactions

**Original articles:**

- 1022 F. H. KLEBL, G. WEBER, J. R. KALDEN & H. G. NÜSSEIN  
*In vitro* and *in vivo* effect of glucocorticoids on IgE and IgG subclass secretion
- 1030 H. YASUEDA, A. SAITO, K. AKIYAMA, Y. MAEDA, T. SHIDA, M. SAKAGUCHI & S. INOUE  
Estimation of *Der p* I and *Der f* I quantities in the reference preparations of *Dermatophagoides* mite extracts
- 1036 L. GREIFF, P. WOLLMER, M. ANDERSSON & C. G. A. PERSSON  
Human nasal absorption of  $^{51}\text{Cr}$ -EDTA in smokers and control subjects
- 1041 C. H. MEYER, J. F. BOND, M.-S. CHEN & M. T. KASAIAN  
Comparison of the levels of the major allergens, *Der p* I and *Der p* II in standardized extracts of the house dust mite, *Dermatophagoides pteronyssinus*
- 1049 J. W. GEORGITIS, C. BANOV, P. B. BOGGS, R. DOCKHORN, J. GROSSMAN, D. TINKELMAN, P. ROSZKO & C. WOOD  
Ipratropium bromide nasal spray in non-allergic rhinitis: efficacy, nasal cytological response and patient evaluation on quality of life
- 1056 L. CARABALLO, L. PUERTA, B. MARTÍNEZ & L. MORENO  
Identification of allergens from the mite *Blomia tropicalis*
- 1061 A. P. VERHOEFF, R. T. VAN STRIEN, J. H. VAN WIJNEN & B. BRUNEKREEF  
House dust mite allergen (*Der p* I) and respiratory symptoms in children: a case-control study
- 1070 S. GORDON, R. D. TEE, M. J. NIEUWENHUIJSEN, D. LOWSON, J. HARRIS & A. J. NEWMAN TAYLOR  
Measurement of airborne rat urinary allergen in an epidemiological study
- 1078 G. B. MARKS, E. R. TOVEY, W. GREEN, M. SHEARER, C. M. SALOME & A. J. WOOLCOCK  
House dust mite allergen avoidance: a randomized controlled trial of surface chemical treatment and encasement of bedding

**Correspondence:**

- 1084 I. PANASOFF  
Pollen-related allergy in the European Mediterranean area
- 1085 Book reviews
- 1087 Forthcoming meetings
- 1087 Forthcoming articles

**Volume 24, Number 12, December 1994****Editorial:**

- 1089 A. SEATON & A. SOUTAR  
Oilseed rape and seasonal symptoms

**Reviews:**

- 1091 J.-M. R. SAINT-REMY & J. J. MACHIELS  
Allergen-antibody complexes in the treatment of *Dermatophagoides pteronyssinus* hypersensitivity diseases
- 1094 A. W. DOHLMAN  
Role of antibiotic and non-antibiotic therapy in the treatment of sinusitis with an allergic basis
- 1098 U. AMON, M. NITSCHKE, D. DIECKMANN, B. F. GIBBS, C. WEHRHAHN & H. H. WOLFF  
Activation and inhibition of mediator release from skin mast cells: a review of *in vitro* experiments

**Original articles:**

- 1105 R. D. BUTCHER, W. MACFARLANE-SMITH, G. W. ROBERTSON & D. W. GRIFFITHS  
The identification of potential aeroallergen/irritant(s) from oilseed rape (*Brassica napus* spp. *oleifera*): volatile organic compounds emitted during flowering progression
- 1115 S. T. HOLGATE, C. WALTERS, A. F. WALLS, S. LAWRENCE, D. J. SHELL, S. VARIEND, P. J. FLEMING, P. B. BERRY, R. E. GILBERT & C. ROBINSON  
The anaphylaxis hypothesis of sudden infant death syndrome (SIDS): mast cell degranulation in cot death revealed by elevated concentrations of tryptase in serum
- 1123 J. SUBIZA, M. CABRERA, R. VALDIVIESO, J.-L. SUBIZA, M. JEREZ, J. A. JIMINÉZ, M. J. NARGANES & E. SUBIZA  
Seasonal asthma caused by airborne *Platanus* pollen
- 1130 M. SOTO-QUIROS, M. BUSTAMANTE, I. GUTIERREZ, L. Å. HANSON, I.-L. STRANNEGÅRD & J. KARLBERG  
The prevalence of childhood asthma in Costa Rica
- 1137 D. J. HILL, D. G. BANNISTER, C. S. HOSKING & A. S. KEMP  
Cow milk allergy within the spectrum of atopic disorders
- 1144 R. DARNELL, A. PECOUD & D. H. RICHARDS  
A double-blind comparison of fluticasone propionate aqueous nasal spray, terfenadine tablets and placebo in the treatment of patients with seasonal allergic rhinitis to grass pollen
- 1151 G. RASP, P. A. THOMAS & J. BUJÍA  
Eosinophil inflammation of the nasal mucosa in allergic and non-allergic rhinitis measured by eosinophil cationic protein levels in native nasal fluid and serum
- 1157 R. E. SANTING, Y. HOEKSTRA, Y. PASMAN, J. ZAAGSMA & H. MEURS  
The importance of eosinophil activation for the development of allergen-induced bronchial hyperreactivity in conscious, untrained guinea-pigs

- 1164 A. CUSTOVIC, S. C. O. TAGGART & A. WOODCOCK  
House dust mite and cat allergen in different indoor environments
- 1169 T. M. ZIELONKA, D. CHARPIN, P. BERBIS, P. LUCIANI, D. CASANOVA & D. VERVLOET  
Effects of castration and testosterone on *Fel d 1* production by sebaceous glands of male cats: I—immunological assessment
- 1174 C. CHARPIN, T. M. ZIELONKA, D. CHARPIN, J.-L. ANSALDI, C. ALLASIA & D. VERVLOET  
Effects of castration and testosterone on *Fel d 1* production by sebaceous glands of male cats: II—morphometric assessment

*Correspondence:*

- 1179 J. G. AYRES & D. ALLSOPP  
Fungal growth on wine corks—a potential source of exposure to susceptible individuals
- 1181 Forthcoming meetings
- 1181 Forthcoming articles
- 1183 Author index to Volume 24

